M. A. R. 57 (Rule 116)
Measurement Book

No. B

178873

Name of work: Improvements to road & drains From ... To at Sheshagiri layout balance portion etc near Abbigere tank in ward no-12 in SSK

Name of Agency: puttaraju. A

Agreement of work: No:E.E/DD/W/248/14-15 Dt:- 18/2/15 JCI-012-15-000016.

Description, etc, of work	Number	Dimensions: Length	Breadth	Depth	Contents	Reference to last Measurement 8
Pre measurement taken recorded on 27/3/15						
Earth work excavation by manual means in hard soil						
	1	30.0	0.70	0.70	= 14.70 cum	
	1	30.0	0.70	0.70	= 14.70 cum	
	1	30.0	0.70	0.70	= 14.70 cum	
	1	30.0	0.70	0.70	= 14.70 cum	
	1	29.0	0.70	0.70	= 14.20 cum	
	1	12.0	0.70	0.70	= 5.88 cum	
	1	30.0	0.70	0.70	= 14.70 cum	
	1	30.0	0.70	0.70	= 14.70 cum	
	1	30.0	0.70	0.70	= 14.70 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Culvert	1	19.0	0.70	0.70	9.31 cum	
		1	18.0	0.70	0.70	8.82 cum	
	1st cross	1	6.50	2.10	1.20	16.38 cum	
	2nd cross.	1	5.30	2.10	1.20	13.35 cum	
						170.84 cum	

cd - PE
Thrissur
27/3/15

Rawi. N.K.
27/3/15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178877

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Pre measurement Recorded on 6/4/15						
Earth work excavation by manual means.						
1st cross S/S	1	30.0	5+15.5	0.35	58.80 cum	
Abbigere water tank adjacent.	1	30.0	5.5+5.5 / 2	0.35	57.75 cum	
	1	30.0	5.5+5.4 / 2	0.35	57.22 cum	
8th cross.	1	19.0	5.4+5.4 / 2	0.35	35.91 cum	
	1	31.0	5.0+4.3 / 2	0.35	50.45 cum	
			Ltd to tender qty.		260.13 cum / 243.60 cum	Rasul N.K. 4/4/15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Premeasurement recorded on 11/4/15					
I.A.	providing & laying in position plain cement concrete					
		1	6.50	2.10	0.15	= 2.04 cum
		1	5.30	2.10	0.15	= 1.66 cum
		1	30.0	$\frac{5.7+5.5}{2}$	0.15	= 25.20 cum
		1	30.0	$\frac{5.5+5.5}{2}$	0.15	= 24.75 cum
		1	30.0	$\frac{5.5+5.4}{2}$	0.15	= 24.52 cum
		1	19.0	$\frac{5.4+5.4}{2}$	0.15	= 15.39 cum
		1	31.0	$\frac{5.0+4.3}{2}$	0.15	= 21.60 cum
						115.18 cum
	Ltd to tender 107.88 cum.					Bavi. N/R. 11/4/15

Checked 11/4/15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

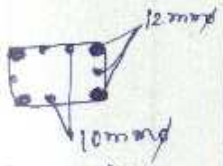
178873

No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	Pre measurement recorded on 14/8/15					8
Providing T.M.T Steel reinforcement.						
10mm dia,	2×33	× 4.20	= 277.2	× 0.69	= 191.27 kgs	197.96
	15	× 6.30	= 94.5	× 0.62	= 65.20 kgs.	58.59
	15	× 6.30	= 94.5	× 0.62	= 65.20 kgs.	58.59
	8	× 6.30	= 50.4	× 0.62	= 31.24 kgs.	
	2×27	× 4.20	= 226.8	× 0.69	= 156.49 kgs	140.62
	15	× 5.30	= 79.5	× 0.62	= 49.29 kgs	
 12mm ϕ 10mm ϕ Rings	15	× 5.30	= 79.5	× 0.62	= 49.29 kgs.	
	4×20	× 2.10	= 160.0	× 0.89	= 142.4 kgs.	
	4×20	× 2.10	= 160.0	× 0.62	= 99.20 kgs	
	~~9×20~~					

C
145
EE(D)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
		9 x 20 x	1·90 =	342·0 x	0·62 =	212·04 Kgs	
						5·93 Qtl.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178879

Work ..... From ..... To .....

Contractor of nature of Agency.....

Commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Providing & Removing centering						
	2×2	× 6·50 × 1·20			= 31·20 sqm	
	2×2	× 5·30 × 1·20			= 25·44 sqm	
					56·64 sqm	

Checked N.K. 14/4/15

1st & final. AEE(SSD)/SBK SD/15-16 A-29-5-15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Name of work:- Providing improvements to roads & drains at Shershagiri Layout Balance portion at Abbigere, near Abbigere tank in ward no - 12 in SSD.					
	Agency:- Puttaraju.A.					
	W.O:- No:EE/DD/WO/248/14-15 D:- 18/2/15. completed on:-					
	JC:- 012-15-000016. Est cost:- 15.0 lakhs.					
	Final bill recorded on 29/5/15					
I-1	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2meter and an average lift upto 0.50 m excavated surface leveled and neatly after breaking of clods complete as per specifications					

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178830

Book ..... From ..... To .....

Contractor of nature of Agency.....

Commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
By vide pg no. 178876/2 of this M.B.					170.84 cum	
Limited to tender:					169.94 cum	
				@	105.00	
					Rs. 17844.00	
Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing joints etc., complete as per specification & direction of Engineer-in-charge of work.						
	1	30.0	1.80		= 54.0 cum	
	1	30.0	1.80		= 54.0 cum	
	1	30.0	1.80		= 54.0 cum	

CS 24/5 EE(D)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
		1	30.0	1.80		= 54.00 sqm
		1	29.0	1.80		= 52.20 sqm
		1	12.0	1.80		= 21.60 sqm
		1	30.0	1.80		= 54.00 sqm
		1	30.0	1.80		= 54.00 sqm
		1	30.0	1.80		= 54.00 sqm
		1	19.0	1.80		= 34.20 sqm
		1	18.0	1.80		= 32.40 sqm
						518.40 sqm
T-3.	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2-metery and an average lift upto 0.50 m excavated surface					@ 639.00 = 331

29/5/14
EE(D)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178881

From ..... To .....

Indicator of nature of Agency.....

Commencement of work.....

Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
bottom & sides neatly dressed the disposed earth to be dressed neatly complete as per specifications.						
As vide pg no	178877/1	Of	this M.B.	@	243·60 cum 75·00 Rs 18270·00	
Providing & laying in position plain cement concrete of M 15 with OPC cement @ 180 kgs, with 40mm & down graded granite metal coarse aggregate @ 0·86 cum and fine aggregate @ 0·58 cum machine mixed concrete in floors not exceeding 15cms thick well compacted and finish complete as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Qty vide pg no. 178877/2 of this M.B.					107.88 @ 4750.00 Rs. 5124
I.S.	providing & laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm & down size graded granite metal coarse aggregate @ 0.878 cum and fine aggregate @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth and slly including cost of all materials, labour Hom of machinery coming complete as per specification	2	6.50	$\frac{0.75+0.45}{2}$ x 0.90		7.02 cum.
		2	5.30	$\frac{0.75+0.45}{2}$ x 0.90		5.72 cum.

29/5/15
EE(D)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178832

From ..... To .....

Description of nature of Agency.....

Commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
					12.71 sum 12.53 sum @ 5327.64 Rs	— 66755=00
providing and laying cement concrete using 20 mm & down granite jelly of R.M.C. for R.c.c. work, laid in 15cm layers & well compacted Vibrating curing finishing with necessary Cement mortar, form works & scaffolding to with stand pumping of concrete, with all lead & lifts etc. complete R.M.C. M-25 (1:1.5:3) for raft foundation, column & Secondary beams. complete as per Specification						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	1st cross Abbigere water tank adjacent road	1	30.0	$\frac{5.7+5.5}{2}$	0.10	= 16.80 cum
		1	30.0	$\frac{5.5+5.5}{2}$	0.10	= 16.50 cum
		1	30.0	$\frac{5.5+5.4}{2}$	0.10	= 16.35 cum
		1	19.0	$\frac{5.4+5.4}{2}$	0.10	= 10.26 cum
	6th cross.	1	31.0	$\frac{5.0+4.3}{2}$	0.10	= 14.41 cum
	Culverts.	20	1.80	0.60	0.23	= 4.96 cum
						79.28 cum
						74.43 cum
					@	5847.00 /- A3D
I	Providing TMT steel reinforcement for R.C.C. work including straightening cutting bending					

E.E. (D.D.)

Ltd to tender

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178883

From ..... To .....

Description of nature of Agency.....

Description of work.....

Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Cutting placing in position tapping and/or welding required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design cost of material, labour hire of machinery complete as per specifications. As vide pg no 17 8878/2 of this M.B.					5.93 cum @ 7975.00 = 47212.00	
Shuttering & removing centering, Shuttering propping and removal of formwork for vertical surface						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Stain g walls at any thickness including attached pil asters buttresses, plinth & string course cost of all materials labour Complete as per Specification & direction of Engineer incharge of the work.					
	ary vide pg no 78879/1 of this M.B.					41.76 Sqm @ 300=00 Rs:- 12531
I.9.	Disposal of debris to the final place of disposal with all lead & lift & as direction by the Engineer incharge of work complete as per specification ary vide item no -	① + ③				413.5 Cum @ 72=00 Rs:- 29771
		169.94 + 243.80 = 413.54				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178864

From ..... To .....

Nature of Agency.....

Name of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	Total Amount:-			14710 89=00		

2528

775

Certified that contractor has done the work satisfactory

Certified that there is no due work from Contractor Side

Certified that Contractor has removed all debris from work spot.

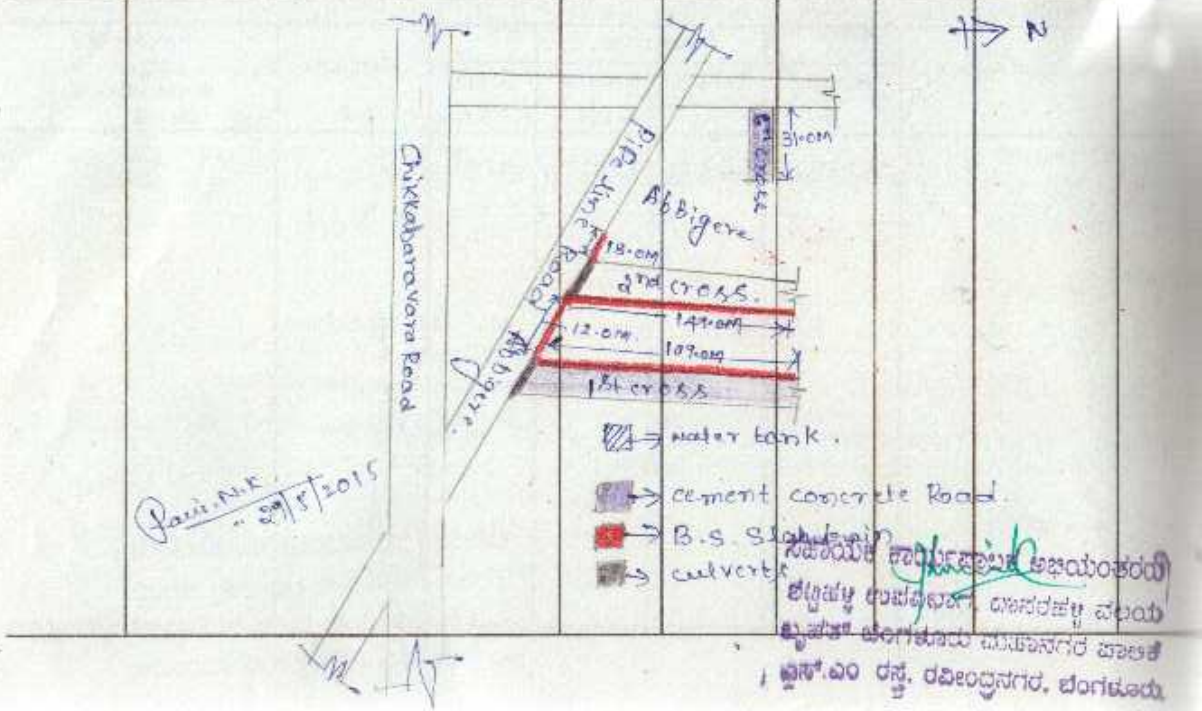
Date: 25/5/2015

Date: 25/5/2015

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಬಿಹಳ್ಳ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7



Ravi.N.K
25/5/2015

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178865

From ..... To .....

...ter of nature of Agency.....

...ement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8

Audited and ...
Rs 147089=
Passed by ... Rs 136787=
(...)
103302=
by ...
Accounts ...
Executive Engineer
...andhi Division